10539262

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	4	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	5	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	6	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	7	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS	8	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS	9	JUL 27	CA/CAplus enhanced with new citing references
NEWS	10	JUL 16	GBFULL adds patent backfile data to 1855
NEWS	11	JUL 21	USGENE adds bibliographic and sequence information
NEWS	12	JUL 28	EPFULL adds first-page images and applicant-cited references
NEWS	13	JUL 28	INPADOCDB and INPAFAMDB add Russian legal status data
NEWS	14	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	15	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	16	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	17	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS	18	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	19	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8
DICTIONARY FILE UPDATES: 28 SEP 2009 HIGHEST RN 1186466-31-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

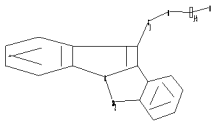
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

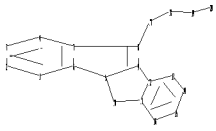
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10539262.str





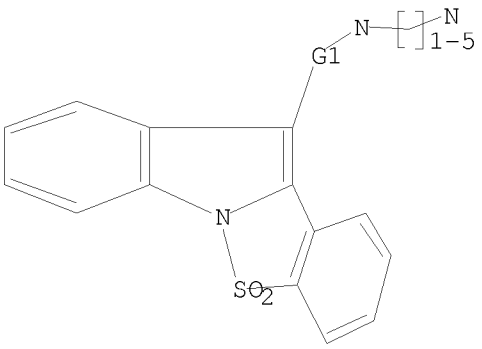
chain nodes :
17 18 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
chain bonds :
8-17 17-18 18-19 19-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-10 6-7 7-8 8-9 9-12 10-11 11-12 11-16
12-13 13-14 14-15 15-16
exact/norm bonds :
5-6 5-9 5-10 7-8 8-9 8-17 9-12 10-11 17-18 18-19 19-20
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 11-12 11-16 12-13 13-14 14-15 15-16
isolated ring systems :
containing 1 :

G1:CH2,SO2,C

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
20:CLASS

L1 STRUCTURE UPLOADED

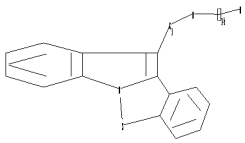
```
=> D L1
L1 HAS NO ANSWERS
L1              STR
```

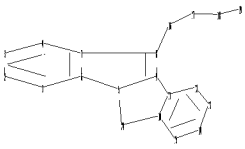


G1 CH2,SO2,C

Structure attributes must be viewed using STN Express query preparation.

```
=> S L1
SAMPLE SEARCH INITIATED 11:31:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:             0 TO        0
PROJECTED ANSWERS:                0 TO        0

L2            0 SEA SSS SAM L1

=> S L1 SSS FULL
FULL SEARCH INITIATED 11:31:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L3            0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10539262a.str
```





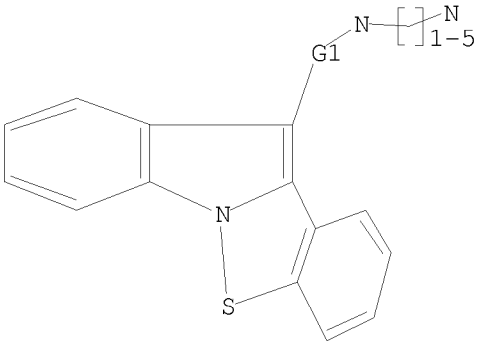
chain nodes :
16 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 24
chain bonds :
8-16 16-17 17-18 18-19
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-24 6-7 7-8 8-9 9-11 10-15 10-11 10-24
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-24 7-8 8-9 8-16 9-11 10-24 16-17 17-18 18-19
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

G1:CH2,SO2,C

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS

L4 STRUCTURE UPLOADED

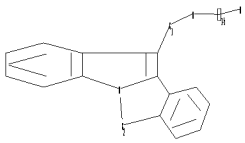
=> d l4
L4 HAS NO ANSWERS
L4 STR

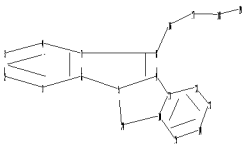


G1 CH2,SO2,C

Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 11:33:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L5            0 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 11:33:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L6            0 SEA SSS FUL L4

=>
Uploading C:\Program Files\Stnexp\Queries\10539262b.str
```





chain nodes :
16 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 24
chain bonds :
8-16 16-17 17-18 18-19
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-24 6-7 7-8 8-9 9-11 10-15 10-11 10-24
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-24 7-8 8-9 8-16 9-11 10-24 16-17 17-18 18-19
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

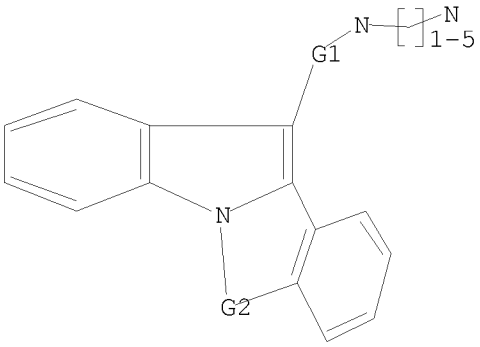
G1:CH2,SO2,C

G2:C,S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS

L7 STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7 STR



G1 CH2,SO2,C

G2 C,S,SO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l7
SAMPLE SEARCH INITIATED 11:35:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        4 TO ITERATE

100.0% PROCESSED        4 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            4 TO      200
PROJECTED ANSWERS:               0 TO        0

L8            0 SEA SSS SAM L7

=> s l7 sss full
FULL SEARCH INITIATED 11:35:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      129 TO ITERATE

100.0% PROCESSED      129 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L9            0 SEA SSS FUL L7

=>
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```
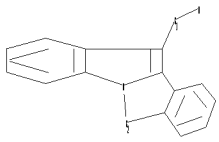
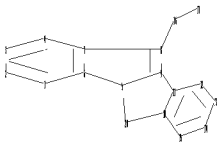





chain nodes :
16 17
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 20
chain bonds :
8-16 16-17
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-20 6-7 7-8 8-9 9-11 10-15 10-11 10-20
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-20 7-8 8-9 8-16 9-11 10-20 16-17
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

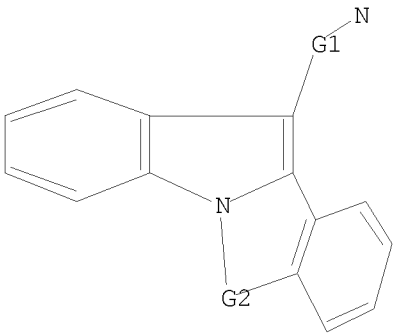
G1:CH2,SO2,C

G2:C,S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 20:CLASS

L10 STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10 STR



G1 CH2,SO2,C

G2 C,S,SO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l10
SAMPLE SEARCH INITIATED 11:39:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       81 TO ITERATE

100.0% PROCESSED       81 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1081 TO     2159
PROJECTED ANSWERS:               0 TO        0

L11           0 SEA SSS SAM L10

=> s l10 sss full
FULL SEARCH INITIATED 11:39:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1778 TO ITERATE

100.0% PROCESSED     1778 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

L12           0 SEA SSS FUL L10

=>
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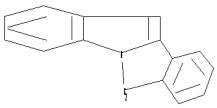
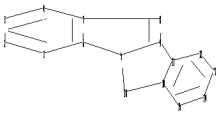




ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 9-11 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

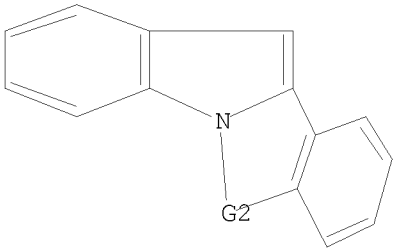
G1:CH2,SO2,C

G2:C,S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS

L13 STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 CH2,SO2,C

G2 C,S,SO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l13
SAMPLE SEARCH INITIATED 11:40:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     2169 TO ITERATE

 92.2% PROCESSED     2000 ITERATIONS                              23 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         40587 TO    46173
PROJECTED ANSWERS:              199 TO      797

L14          23 SEA SSS SAM L13

=> s l13 sss full
FULL SEARCH INITIATED 11:40:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    43702 TO ITERATE

100.0% PROCESSED    43702 ITERATIONS                             474 ANSWERS
SEARCH TIME: 00.00.01

L15         474 SEA SSS FUL L13

=>
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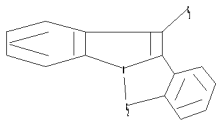
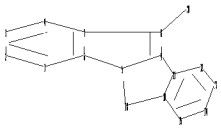
```





chain nodes :
20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

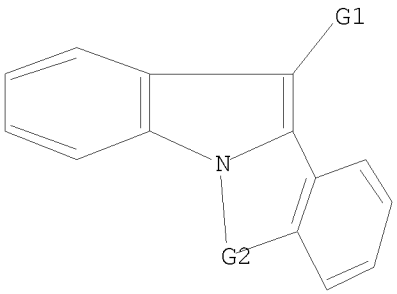
G1:CH2,SO2,C

G2:C,S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS

L16 STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16 STR



G1 CH2,SO2,C

G2 C,S,SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l16
SAMPLE SEARCH INITIATED 11:42:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 484 TO ITERATE

100.0% PROCESSED 484 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8361 TO 10999
PROJECTED ANSWERS: 68 TO 532

L17 15 SEA SSS SAM L16

=> s l16 sss full
FULL SEARCH INITIATED 11:42:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 10071 TO ITERATE

100.0% PROCESSED 10071 ITERATIONS 313 ANSWERS
SEARCH TIME: 00.00.01

L18 313 SEA SSS FUL L16

=> FIL HCAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 1122.00 1122.22

FILE 'HCAPLUS' ENTERED AT 11:42:37 ON 30 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 30 Sep 2009 VOL 151 ISS 14
FILE LAST UPDATED: 29 Sep 2009 (20090929/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family
of databases have been updated to include new citing references
information. This enhancement may impact record import into
database management software. For additional information, refer
to NEWS 9.

=> d his

(FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009)

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 0 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 0 S L4
L6 0 S L4 SSS FULL
L7 STRUCTURE UPLOADED
L8 0 S L7
L9 0 S L7 SSS FULL
L10 STRUCTURE UPLOADED
L11 0 S L10
L12 0 S L10 SSS FULL
L13 STRUCTURE UPLOADED
L14 23 S L13
L15 474 S L13 SSS FULL
L16 STRUCTURE UPLOADED
L17 15 S L16
L18 313 S L16 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:42:37 ON 30 SEP 2009

=> s l15
L19 115 L15

```
=> s l18
L20         39 L18

=> s 20 and serotonin receptor
       2640160 20
         78676 SEROTONIN
            54 SEROTONINS
         78681 SEROTONIN
                  (SEROTONIN OR SEROTONINS)
        825707 RECEPTOR
        761054 RECEPTORS
        990403 RECEPTOR
                  (RECEPTOR OR RECEPTORS)
          8913 SEROTONIN RECEPTOR
                  (SEROTONIN(W)RECEPTOR)
L21          747 20 AND SEROTONIN RECEPTOR

=> FIL REGISTRY
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                  17.10    1139.32

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 30 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   28 SEP 2009  HIGHEST RN 1186466-31-8
DICTIONARY FILE UPDATES:  28 SEP 2009  HIGHEST RN 1186466-31-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\Stnexp\Queries\10539262f.str
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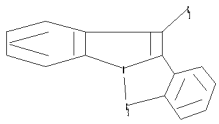
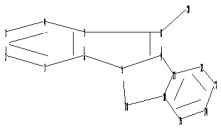




chain nodes :
20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

G1:CH2,SO2,C

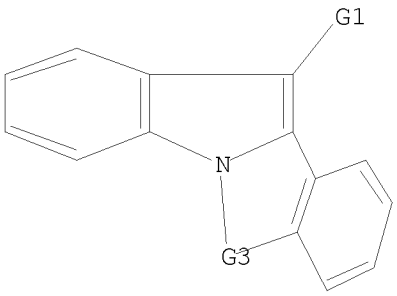
G2:C,S,SO2

G3:S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS

L22 STRUCTURE UPLOADED

=> d l22
L22 HAS NO ANSWERS
L22 STR



G1 CH2,SO2,C

G2 C,S,SO2

G3 S,SO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l22
SAMPLE SEARCH INITIATED 11:46:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        7 TO ITERATE

100.0% PROCESSED        7 ITERATIONS                                5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            7 TO      298
PROJECTED ANSWERS:               5 TO      234

L23           5 SEA SSS SAM L22

=> s l22 sss full
FULL SEARCH INITIATED 11:47:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      186 TO ITERATE

100.0% PROCESSED      186 ITERATIONS                              144 ANSWERS
SEARCH TIME: 00.00.01

L24         144 SEA SSS FUL L22

=>
Uploading C:\Program Files\Stnexp\Queries\10539262g.str
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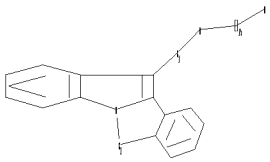
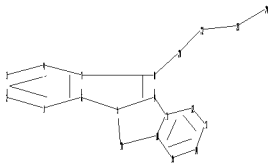




chain nodes :
20 22 23 24
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20 20-22 22-23 23-24
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18 20-22 22-23 23-24
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

G1:CH2,SO2,C

G2:C,S,SO2

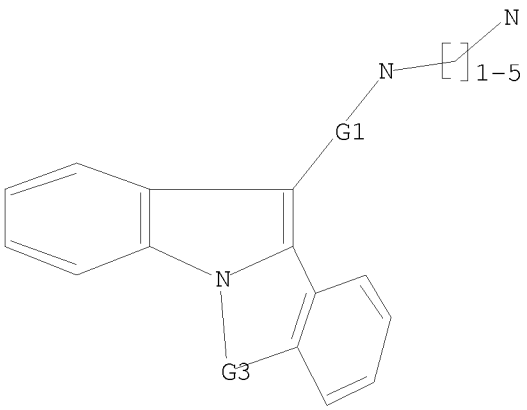
G3:S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS 22:CLASS 23:CLASS
24:CLASS

L25 STRUCTURE UPLOADED

=> d l25

L25 HAS NO ANSWERS
L25 STR



G1 CH2,SO2,C

G2 C,S,SO2

G3 S,SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l25
SAMPLE SEARCH INITIATED 11:49:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

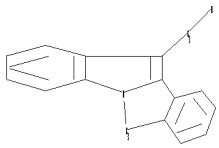
L26 0 SEA SSS SAM L25

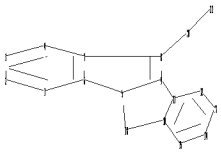
=> s l25 sss full
FULL SEARCH INITIATED 11:49:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L27 0 SEA SSS FUL L25

=>
Uploading C:\Program Files\Stnexp\Queries\10539262z.str





chain nodes :
20 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18
chain bonds :
8-20 20-22
ring bonds :
1-2 1-6 2-3 3-4 4-7 5-6 5-9 5-18 6-7 7-8 8-9 9-11 10-15 10-11 10-18
11-12 12-13 13-14 14-15
exact/norm bonds :
5-6 5-9 5-18 7-8 8-9 8-20 9-11 10-18 20-22
normalized bonds :
1-2 1-6 2-3 3-4 4-7 6-7 10-15 10-11 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 :

G1:CH2,SO2,C

G2:C,S,SO2

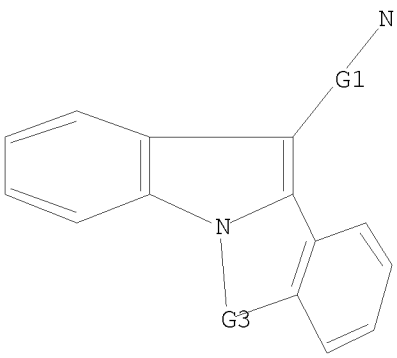
G3:S,SO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 20:CLASS 22:CLASS

L28 STRUCTURE UPLOADED

=> d l28
L28 HAS NO ANSWERS

L28 STR



G1 CH2,SO2,C

G2 C,S,SO2

G3 S,SO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l28
SAMPLE SEARCH INITIATED 11:50:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        1 TO ITERATE

100.0% PROCESSED        1 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            1 TO       80
PROJECTED ANSWERS:               0 TO        0

L29           0 SEA SSS SAM L28

=> s l28 sss full
FULL SEARCH INITIATED 11:50:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       39 TO ITERATE

100.0% PROCESSED       39 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L30           0 SEA SSS FUL L28

=> FIL HCAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     559.56    1698.88

FILE 'HCAPLUS' ENTERED AT 11:50:39 ON 30 SEP 2009
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FILE COVERS 1907 - 30 Sep 2009 VOL 151 ISS 14
FILE LAST UPDATED: 29 Sep 2009 (20090929/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family
of databases have been updated to include new citing references
information. This enhancement may impact record import into
database management software. For additional information, refer
to NEWS 9.

=> d his

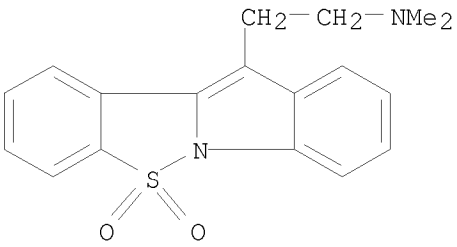
(FILE 'HOME' ENTERED AT 11:30:06 ON 30 SEP 2009)

FILE 'REGISTRY' ENTERED AT 11:30:41 ON 30 SEP 2009

L1		STRUCTURE UPLOADED
L2	0	S L1
L3	0	S L1 SSS FULL
L4		STRUCTURE UPLOADED
L5	0	S L4
L6	0	S L4 SSS FULL
L7		STRUCTURE UPLOADED
L8	0	S L7
L9	0	S L7 SSS FULL
L10		STRUCTURE UPLOADED
L11	0	S L10
L12	0	S L10 SSS FULL
L13		STRUCTURE UPLOADED
L14	23	S L13
L15	474	S L13 SSS FULL
L16		STRUCTURE UPLOADED
L17	15	S L16
L18	313	S L16 SSS FULL

```
     FILE 'HCAPLUS' ENTERED AT 11:42:37 ON 30 SEP 2009
L19         115 S L15
L20          39 S L18
L21         747 S 20 AND SEROTONIN RECEPTOR

     FILE 'REGISTRY' ENTERED AT 11:46:27 ON 30 SEP 2009
L22             STRUCTURE UPLOADED
L23           5 S L22
L24         144 S L22 SSS FULL
L25             STRUCTURE UPLOADED
L26           0 S L25
L27           0 S L25 SSS FULL
L28             STRUCTURE UPLOADED
L29           0 S L28
L30           0 S L28 SSS FULL

     FILE 'HCAPLUS' ENTERED AT 11:50:39 ON 30 SEP 2009

=> s l24
L31           5 L24

=> s l24 and py<=2002
              5 L24
       22985274 PY<=2002
L32           2 L24 AND PY<=2002

=> d l31 ibib abs hitstr tot

L31  ANSWER 1 OF 5  HCAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2006:1048528  HCAPLUS
DOCUMENT NUMBER:          146:38423
TITLE:                    Interaction of N1-unsubstituted and
                          N1-benzenesulfonyltryptamines at h5-HT6 receptors
AUTHOR(S):                Kolanos, Renata; Dukat, Malgorzata; Roth, Bryan L.;
                          Glennon, Richard A.
CORPORATE SOURCE:         Department of Medicinal Chemistry, School of Pharmacy,
                          Virginia Commonwealth University, Richmond, VA,
                          23298-0540, USA
SOURCE:                   Bioorganic & Medicinal Chemistry Letters (2006),
                          16(22), 5832-5835
                          CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:                Elsevier Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 146:38423
AB   Despite possessing a common tryptaminergic scaffold, examination of 28 (i.e.,
     14 pairs of) compds. suggests that N1-unsubstituted and
     N1-benzenesulfonyltryptamines likely bind at h5-HT6 receptors in a
     dissimilar manner (r2 = 0.201).  Addnl., an examination of two rotationally
     constrained N1-benzenesulfonyltryptamine analogs indicates that a
     noncoplanar relationship between the two aryl groups might be preferred
     for interaction with the receptors.
IT   639793-97-8P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (interaction of N1-unsubstituted and N1-benzenesulfonyltryptamines at
```

h5-HT6 receptors)
RN 639793-97-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

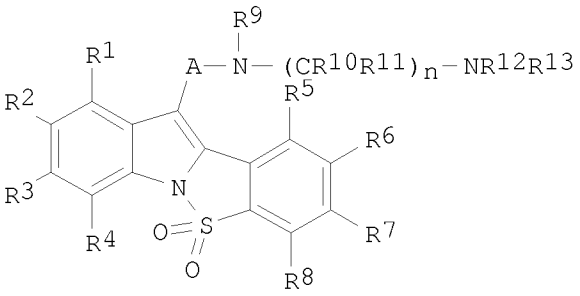
L31 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:534211 HCAPLUS
DOCUMENT NUMBER: 141:71531
TITLE: Preparation of tetracyclic 3-substituted indoles with serotonin receptor affinity
INVENTOR(S): Ramakrishna, Venkata Satya Nirogi; Shirsath, Vikas Shreekrishna; Kambhampati, Rama Sastri; Rao, Venkata Satya Veerabhadra Vadlamudi; Jasti, Venkateswarlu
PATENT ASSIGNEE(S): Suven Life Sciences Limited, India
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004055026	A1	20040701	WO 2003-IN393	20031216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
IN 2002MA00951	A	20070727	IN 2002-MA951	20021218
CA 2507923	A1	20040701	CA 2003-2507923	20031216
AU 2003292510	A1	20040709	AU 2003-292510	20031216
AU 2003292510	B2	20090423		
EP 1581538	A1	20051005	EP 2003-768092	20031216
EP 1581538	B1	20070228		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK						
BR 2003016895	A	20051025	BR 2003-16895			20031216
CN 1729197	A	20060201	CN 2003-80107025			20031216
CN 100378109	C	20080402				
AT 355292	T	20060315	AT 2003-768092			20031216
JP 2006515843	T	20060608	JP 2004-560176			20031216
ES 2283833	T3	20071101	ES 2003-768092			20031216
NZ 540841	A	20080829	NZ 2003-540841			20031216
MX 2005005808	A	20050908	MX 2005-5808			20050531
US 20070142398	A1	20070621	US 2005-539262			20050616
ZA 2005004042	A	20060126	ZA 2005-4042			20060126
HK 1083840	A1	20080627	HK 2006-103973			20060330
PRIORITY APPLN. INFO.:			IN 2002-MA951	A		20021218
			WO 2003-IN393	W		20031216

OTHER SOURCE(S): MARPAT 141:71531

GI



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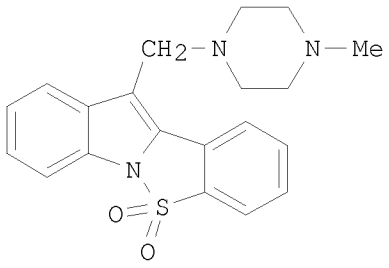


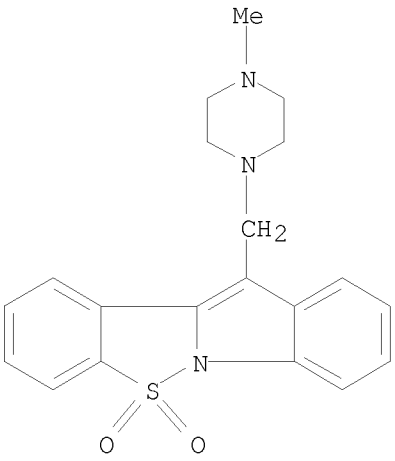
II

AB Tetracyclic indoles of formula I [A = (substituted) CH2, CO, SO2; R1-R11 = H, halo, perhaloalkyl, perhaloalkoxy, OH, amino, nitro, CN, CHO, aryl, aryloxy, alkoxy, etc.; R12 R13 = H, alkyl, cycloalkyl, aryl, aralkyl, heteroaryl, etc.; R9R12 = (substituted) alkylene; R1R2, R2R3, R3R4, R5R6, R6R7, R7R8 = five or six membered ring; n = 1-4] are prepared which have serotonin receptor affinity. The compds. can be used to treat diseases by modulating 5-HT or melatonin, or as a diagnostic tool after radiolabeling. Pharmaceutical compns. containing I are claimed. Thus, II was prepared from 1-(2-bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole.

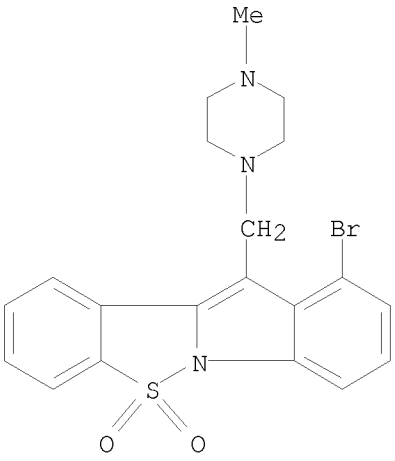
IT 713123-92-3P 713123-93-4P 713123-94-5P
713123-95-6P 713123-96-7P 713123-97-8P
713124-00-6P 713124-01-7P 713124-02-8P

713124-03-9P 713124-04-0P 713124-06-2P
713124-07-3P 713124-09-5P 713124-10-8P
713124-11-9P 713124-12-0P 713124-13-1P
713124-14-2P 713124-15-3P 713124-16-4P
713124-17-5P 713124-18-6P 713124-19-7P
713124-20-0P 713124-21-1P 713124-22-2P
713124-23-3P 713124-24-4P 713124-25-5P
713124-26-6P 713124-27-7P 713124-28-8P
713124-29-9P 713124-30-2P 713124-31-3P
713124-33-5P
RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetracyclic indoles with serotonin receptor affinity)

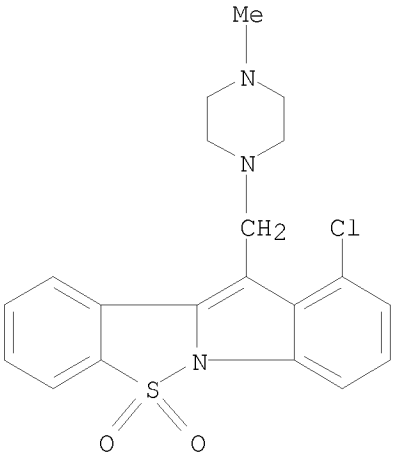
RN 713123-92-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



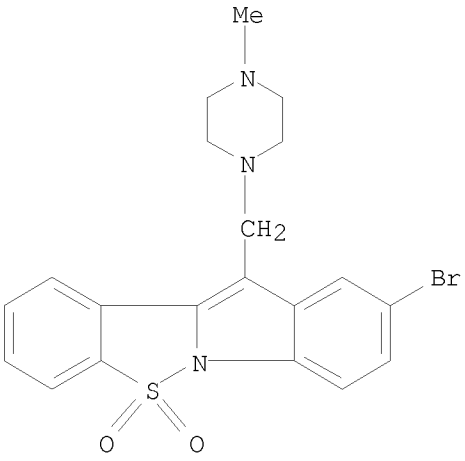
RN 713123-93-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 10-bromo-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



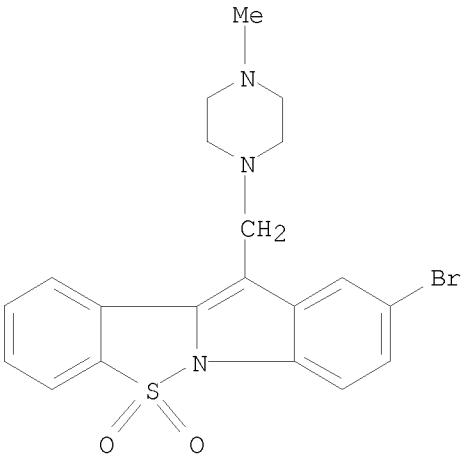
RN 713123-94-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 10-chloro-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



RN 713123-95-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)

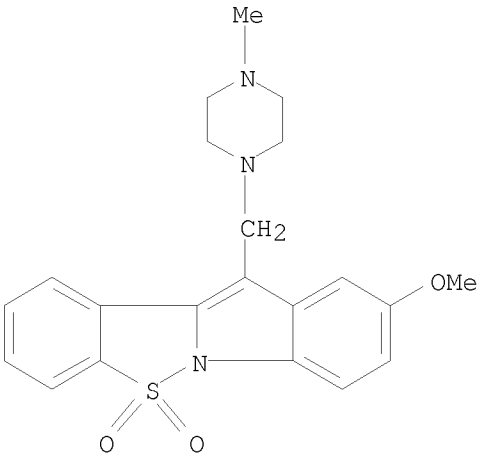


RN 713123-96-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide, hydrochloride (1:?) (CA INDEX NAME)

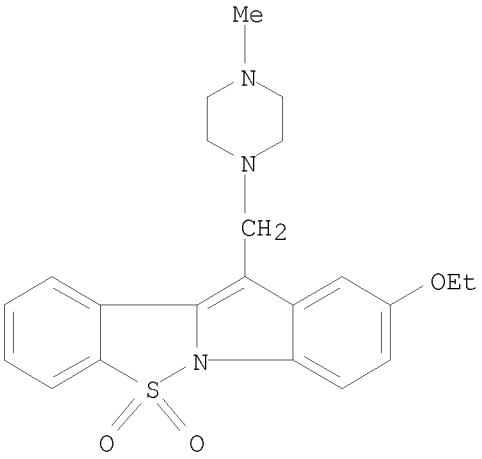


● x HCl

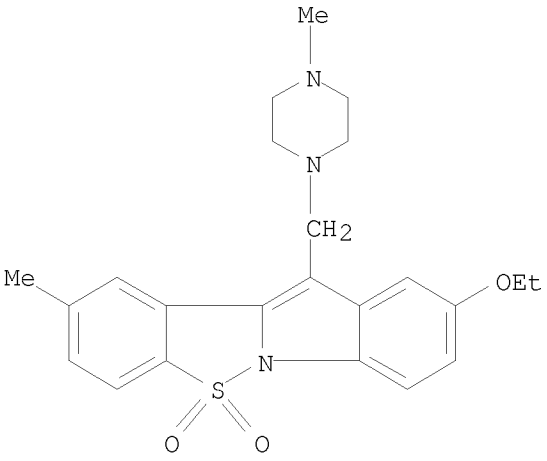
RN 713123-97-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



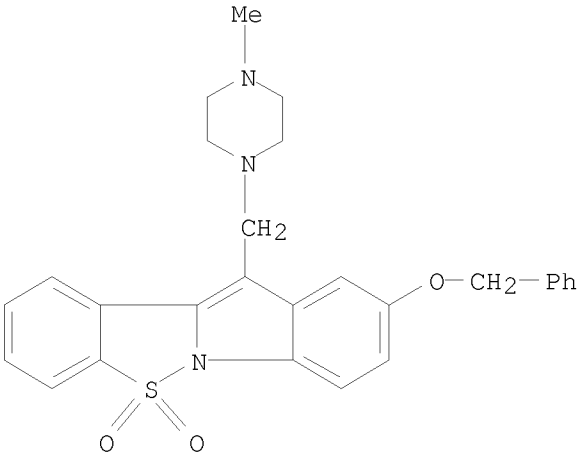
RN 713124-00-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-ethoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



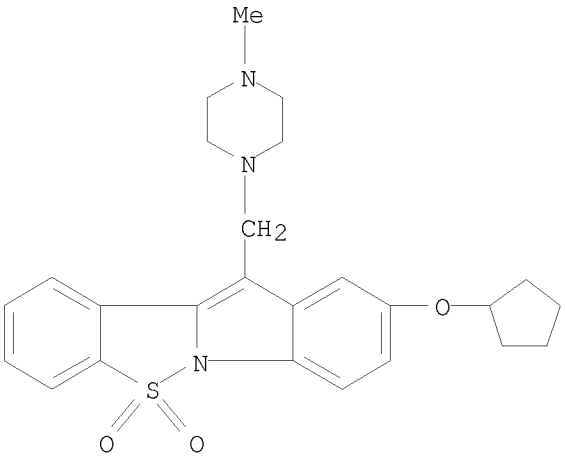
RN 713124-01-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-ethoxy-2-methyl-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



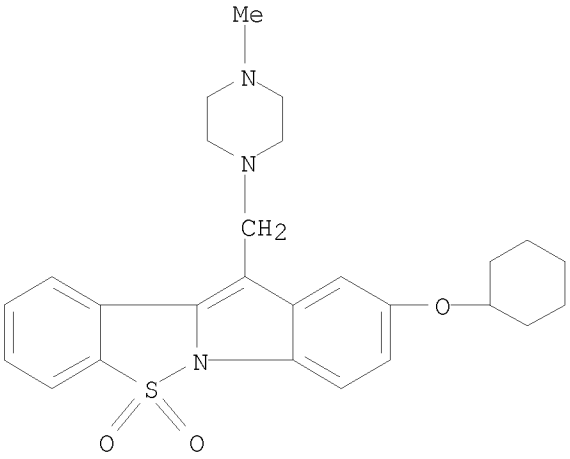
RN 713124-02-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[(4-methyl-1-piperazinyl)methyl]-9-(phenylmethoxy)-, 5,5-dioxide (CA INDEX NAME)



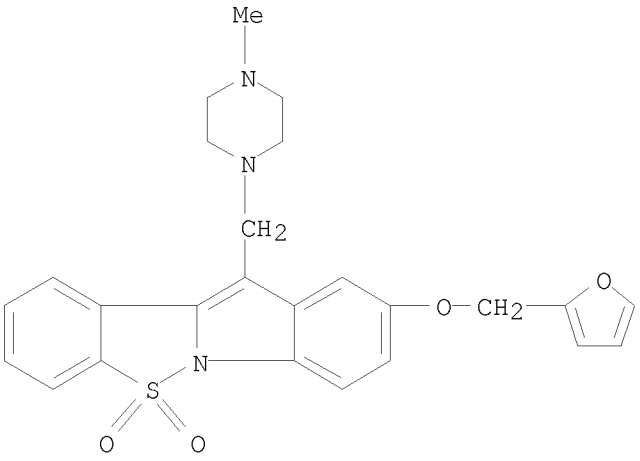
RN 713124-03-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-(cyclopentyloxy)-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



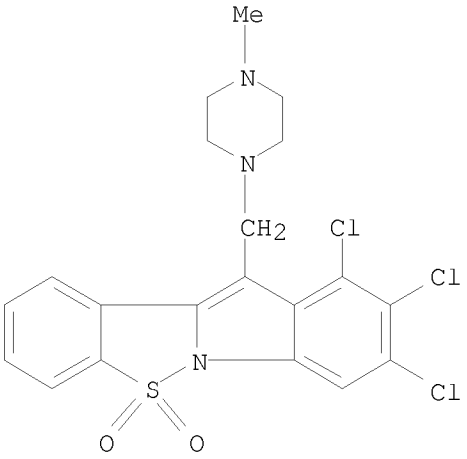
RN 713124-04-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-(cyclohexyloxy)-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



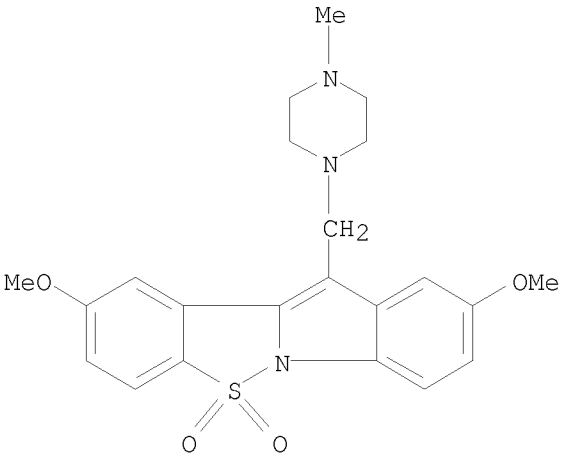
RN 713124-06-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-(2-furanylmethoxy)-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



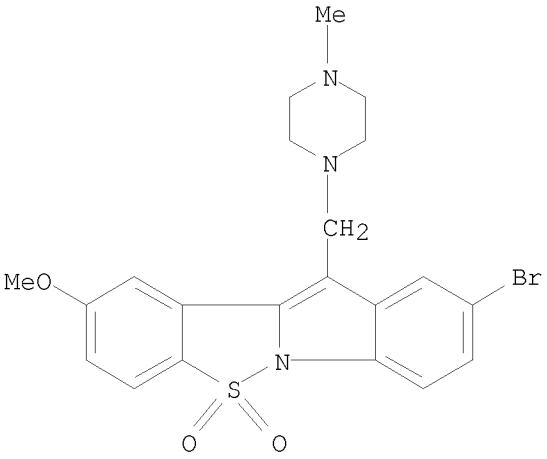
RN 713124-07-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 8,9,10-trichloro-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



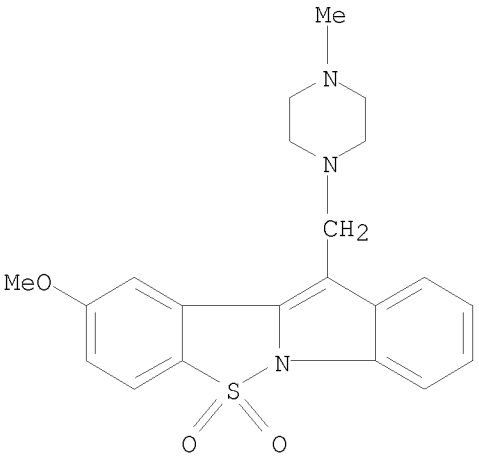
RN 713124-09-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2,9-dimethoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



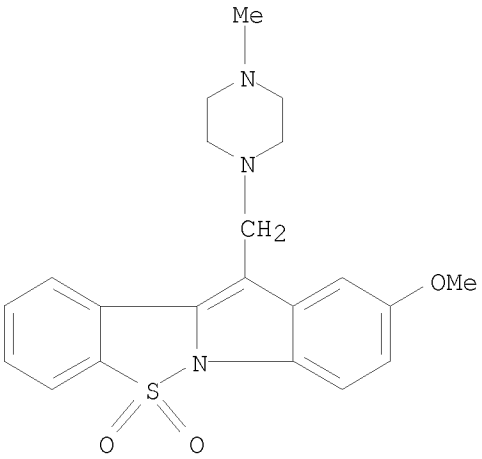
RN 713124-10-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-2-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



RN 713124-11-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)

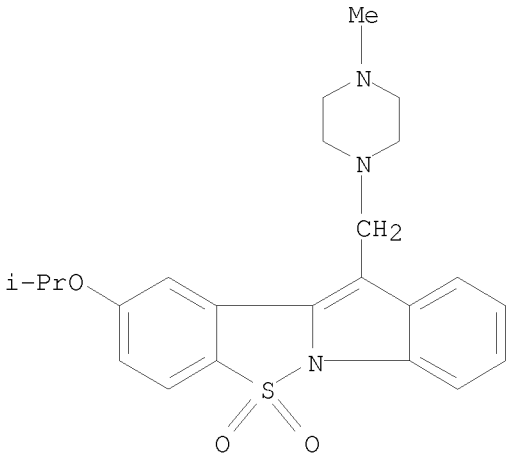


RN 713124-12-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-methoxy-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide, hydrochloride (1:?) (CA INDEX NAME)

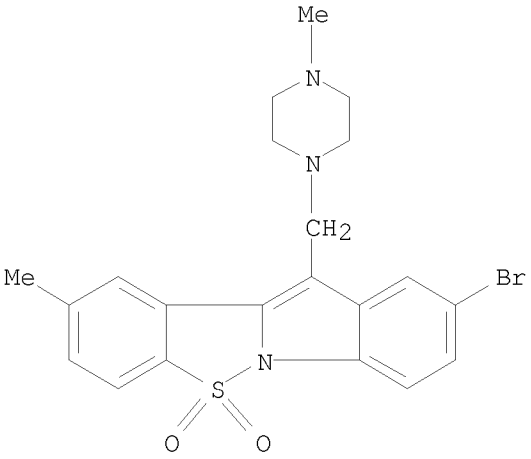


●x HCl

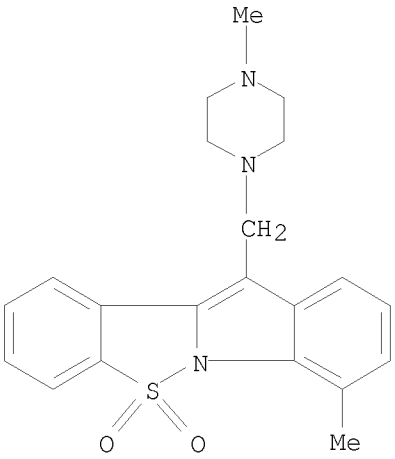
RN 713124-13-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2-(1-methylethoxy)-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



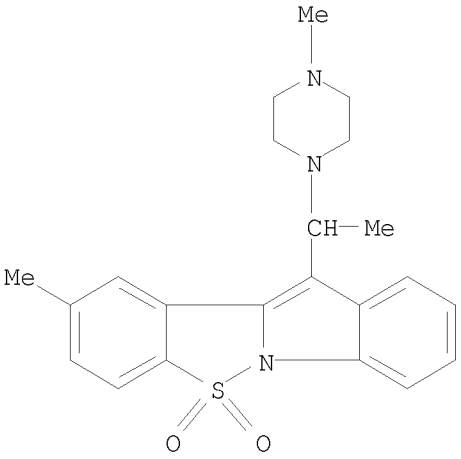
RN 713124-14-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-2-methyl-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



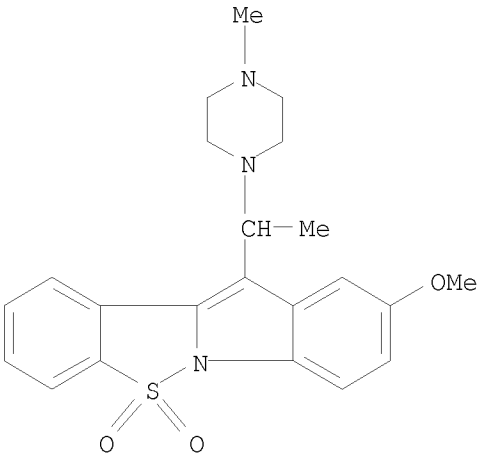
RN 713124-15-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 7-methyl-11-[(4-methyl-1-piperazinyl)methyl]-, 5,5-dioxide (CA INDEX NAME)



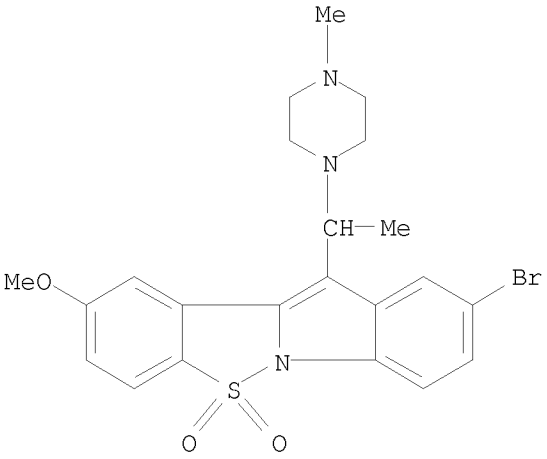
RN 713124-16-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2-methyl-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



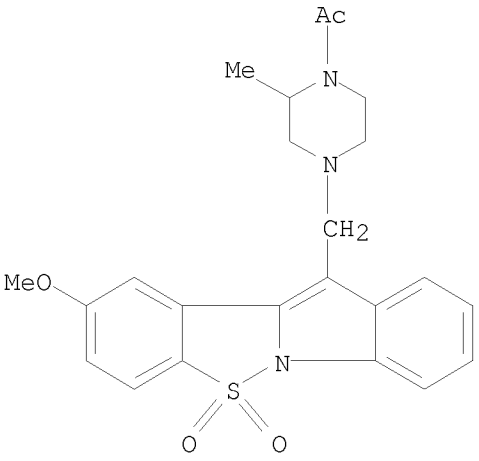
RN 713124-17-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-methoxy-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



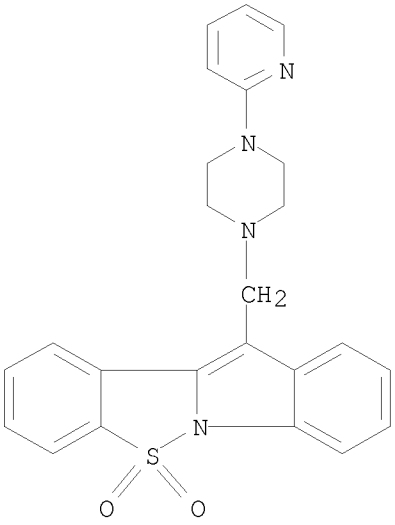
RN 713124-18-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-2-methoxy-11-[1-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



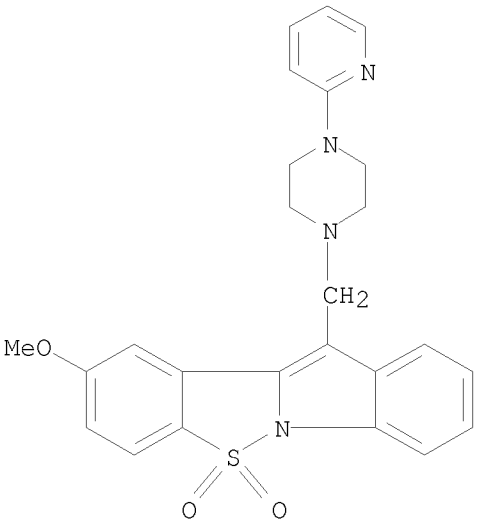
RN 713124-19-7 HCAPLUS
CN Ethanone, 1-[4-[(2-methoxy-5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl)methyl]-2-methyl-1-piperazinyl]- (CA INDEX NAME)



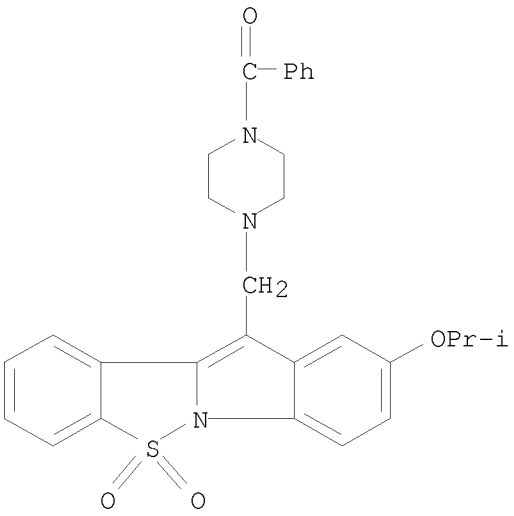
RN 713124-20-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
11-[[4-(2-pyridinyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA INDEX NAME)



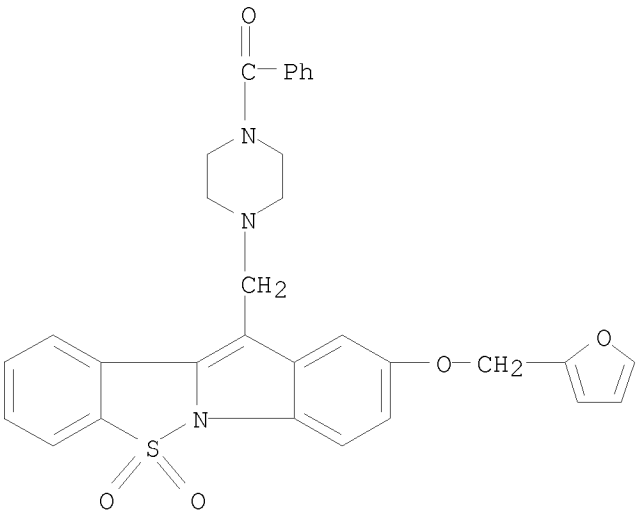
RN 713124-21-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole,
2-methoxy-11-[[4-(2-pyridinyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA INDEX NAME)



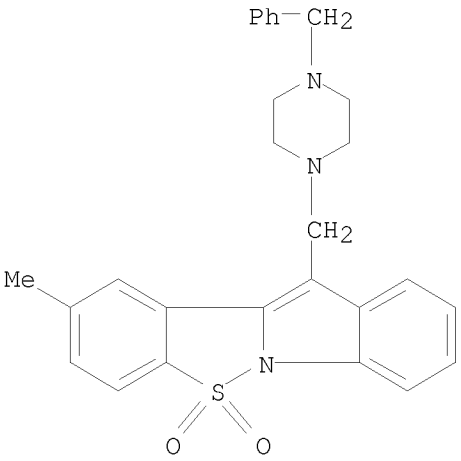
RN 713124-22-2 HCAPLUS
CN Methanone, [4-[[9-(1-methylethoxy)-5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl]methyl]-1-piperazinyl]phenyl- (CA INDEX NAME)



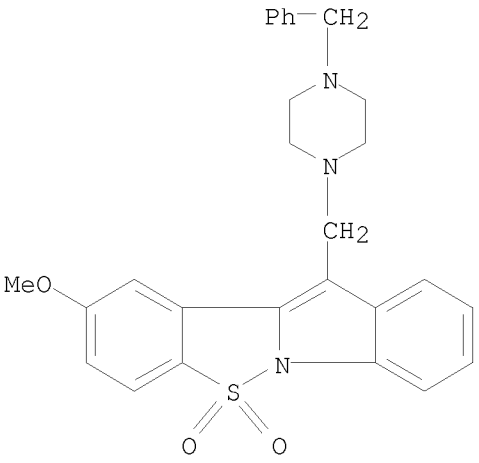
RN 713124-23-3 HCAPLUS
CN Methanone, [4-[[9-(2-furanylmethoxy)-5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl]methyl]-1-piperazinyl]phenyl- (CA INDEX NAME)



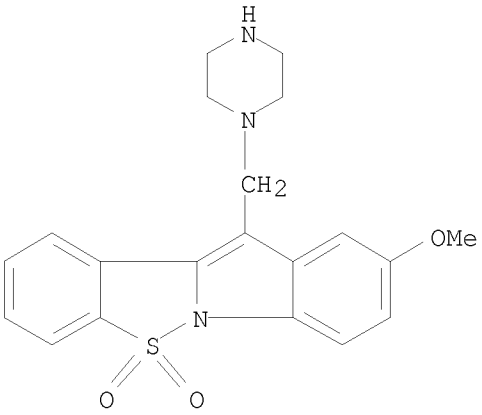
RN 713124-24-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2-methyl-11-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA INDEX NAME)



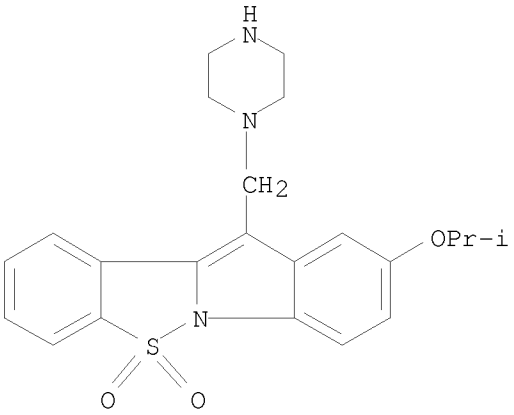
RN 713124-25-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 2-methoxy-11-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, 5,5-dioxide (CA INDEX NAME)



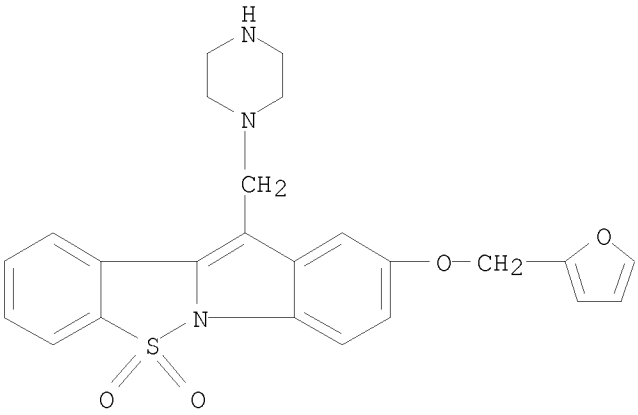
RN 713124-26-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-methoxy-11-(1-piperazinylmethyl)-, 5,5-dioxide (CA INDEX NAME)



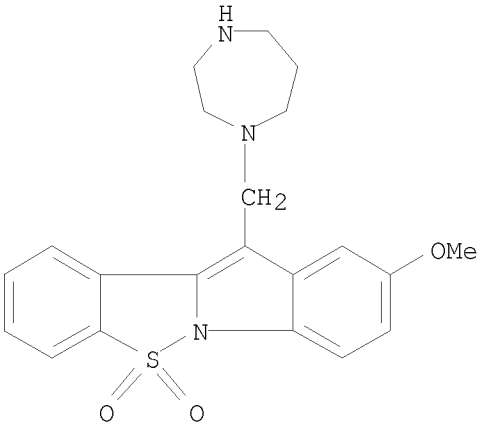
RN 713124-27-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-(1-methylethoxy)-11-(1-piperazinylmethyl)-, 5,5-dioxide (CA INDEX NAME)



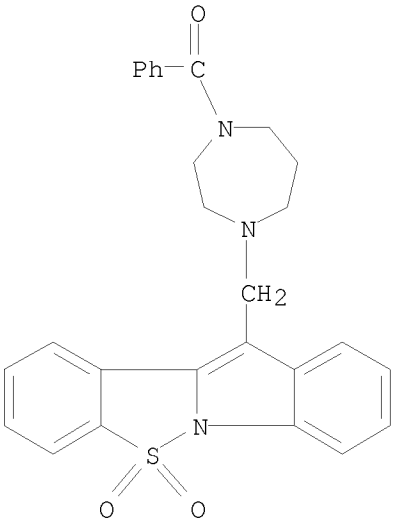
RN 713124-28-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-(2-furanylmethoxy)-11-(1-piperazinylmethyl)-, 5,5-dioxide (CA INDEX NAME)



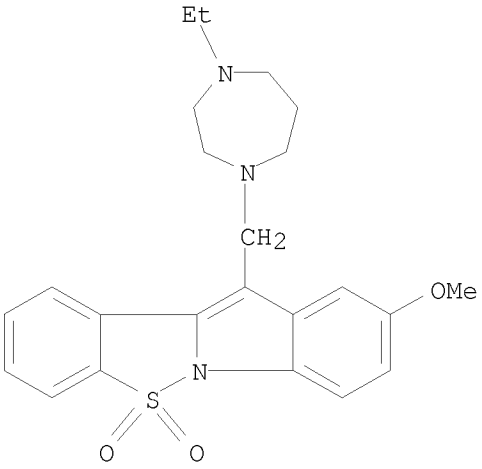
RN 713124-29-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[(hexahydro-1H-1,4-diazepin-1-yl)methyl]-9-methoxy-, 5,5-dioxide (CA INDEX NAME)



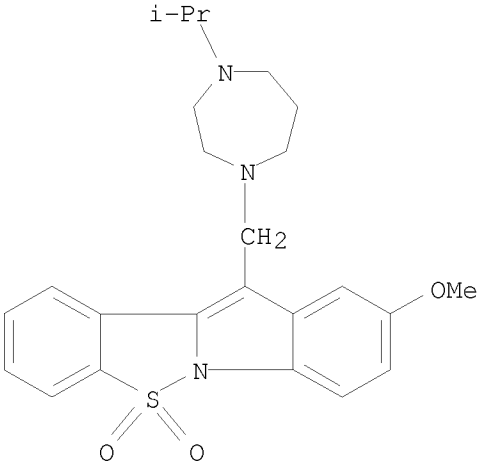
RN 713124-30-2 HCAPLUS
CN Methanone, [4-[(5,5-dioxidindolo[1,2-b][1,2]benzisothiazol-11-yl)methyl]hexahydro-1H-1,4-diazepin-1-yl]phenyl- (CA INDEX NAME)



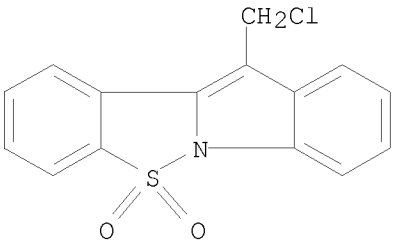
RN 713124-31-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[(4-ethylhexahydro-1H-1,4-diazepin-1-yl)methyl]-9-methoxy-, 5,5-dioxide (CA INDEX NAME)



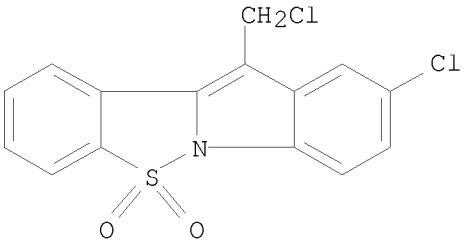
RN 713124-33-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[[hexahydro-4-(1-methylethyl)-1H-1,4-diazepin-1-yl]methyl]-9-methoxy-, 5,5-dioxide (CA INDEX NAME)



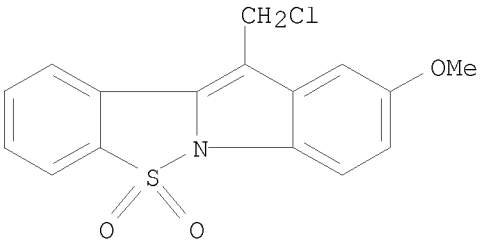
IT 713124-51-7P 713124-52-8P 713124-53-9P
713124-54-0P 713124-55-1P 713124-56-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetracyclic indoles with serotonin receptor affinity)
RN 713124-51-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-(chloromethyl)-, 5,5-dioxide (CA INDEX NAME)



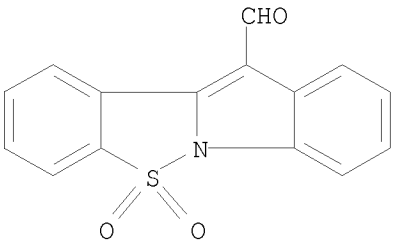
RN 713124-52-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-chloro-11-(chloromethyl)-, 5,5-dioxide (CA INDEX NAME)



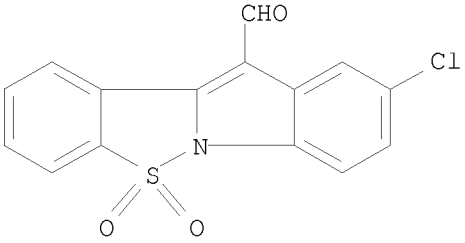
RN 713124-53-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-(chloromethyl)-9-methoxy-, 5,5-dioxide (CA INDEX NAME)



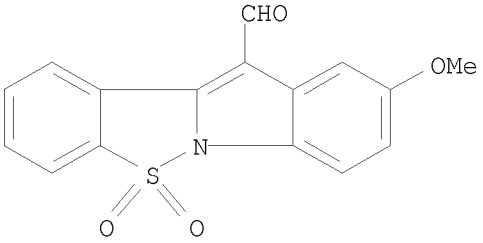
RN 713124-54-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 5,5-dioxide (CA INDEX NAME)



RN 713124-55-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-chloro-, 5,5-dioxide (CA INDEX NAME)



RN 713124-56-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-methoxy-, 5,5-dioxide (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:2891 HCAPLUS
DOCUMENT NUMBER: 140:77139
TITLE: Preparation of novel tetracyclic arylsulfonyl indoles having serotonin receptor affinity
INVENTOR(S): Jasti, Venkateswarlu; Ramakrishna, Venkata Satya Nirogi; Kambhampati, Rama Sastri; Battula, Srinivasa Reddy; Veeraraeddy, Arava; Rao, Venkata Satya

Veerabhadra Vadlamudi
PATENT ASSIGNEE(S): Suven Pharmaceuticals Ltd., India; Suven Life Sciences Ltd.
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000849	A2	20031231	WO 2003-IN222	20030619
WO 2004000849	A3	20040325		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
IN 2002MA00478	A	20061027	IN 2002-MA478	20020621
CA 2490254	A1	20031231	CA 2003-2490254	20030619
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AU 2003249582	B2	20060803		
BR 2003012176	A	20050405	BR 2003-12176	20030619
EP 1523486	A2	20050420	EP 2003-760857	20030619
EP 1523486	B1	20071107		
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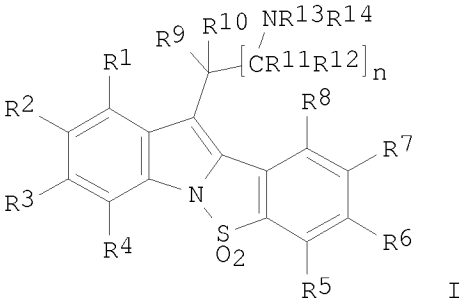
CN 1662544	A	20050831	CN 2003-814602	20030619
CN 100378108	C	20080402		
JP 2005535621	T	20051124	JP 2004-515418	20030619
NZ 537770	A	20070330	NZ 2003-537770	20030619
AT 377603	T	20071115	AT 2003-760857	20030619
ES 2297216	T3	20080501	ES 2003-760857	20030619
RU 2340619	C2	20081210	RU 2005-101344	20030619
ZA 2004009886	A	20060726	ZA 2004-9886	20041207
MX 2004012832	A	20050527	MX 2004-12832	20041216
US 20050203154	A1	20050915	US 2005-519219	20050513
HK 1074843	A1	20080627	HK 2005-108865	20051006

PRIORITY APPLN. INFO.: IN 2002-MA478 A 20020621
IN 2002-CH478 A 20020621
WO 2003-IN222 W 20030619

OTHER SOURCE(S): MARPAT 140:77139
GI



I

AB The title compds. [I; R1-R12 = H, halo, oxo, thio, etc.; or the adjacent groups like R1 and R2 together with carbon atoms to which they are attached may form 5-7 membered ring which may further contain one or more double bonds and/or one or more heteroatoms such as O, N, S, Se; or R9 and R10 or R11 and R12 together represent double bond attached to O or S; or R9 and R10 or R11 and R12 together with the carbon atoms to which they are attached may form 3-6 membered ring which may further contain one or more double bonds, and/or one or more heteroatoms such as O, N, S or Se; R13, R14 = H, alkyl, alkenyl, cycloalkyl, aryl, etc.; or NR13R14 = 3-7 membered heterocyclyl; n = 1-8], useful for treating conditions where a modulation of 5-HT activity is desired (no data given), were prepared Thus, reacting 1-(2'-bromophenylsulfonyl)-N,N-dimethyltryptamine with N,N-dimethylacetamide in the presence of PdCl2[P(o-tolyl)3]2 and AcOK afforded 6-(2-N,N-dimethylaminoethyl)benzo[d]isothiazolo[3,2-a]indole-S,S-dioxide. This invention also relates to processes for preparing compds I, compns. containing effective amts. of compound I and the use of such compound/composition in therapy.

IT 639793-97-8P 639794-00-6P 639794-03-9P
639794-06-2P 639794-09-5P 639794-12-0P
639794-15-3P 639794-18-6P 639794-20-0P
639794-22-2P 639794-24-4P 639794-26-6P
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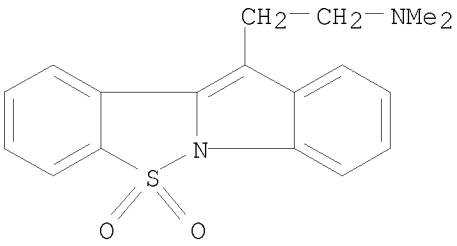
639795-06-5P 639795-98-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel tetracyclic arylsulfonyl indoles having serotonin receptor affinity)

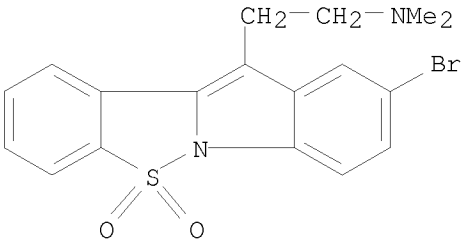
RN 639793-97-8 HCAPLUS

CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N-dimethyl-,

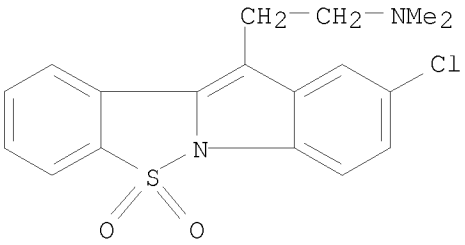
5,5-dioxide (CA INDEX NAME)



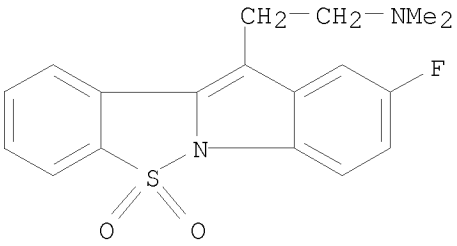
RN 639794-00-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-bromo-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



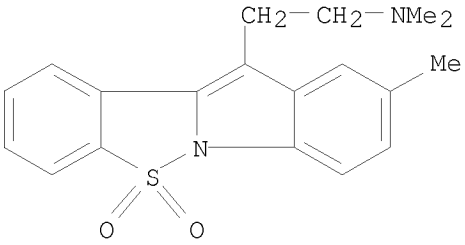
RN 639794-03-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-chloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



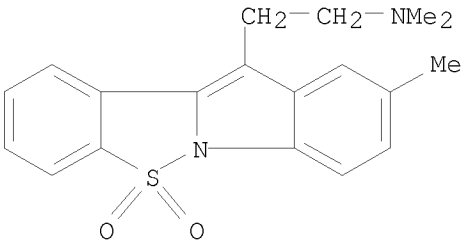
RN 639794-06-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-fluoro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-09-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-12-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-, 5,5-dioxide, hydrochloride (1:1) (CA INDEX NAME)

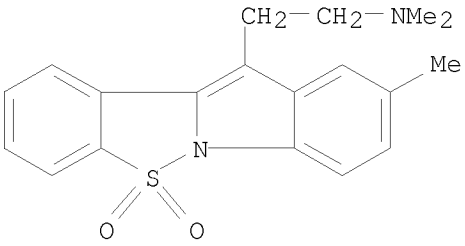


● HCl

RN 639794-15-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-, 5,5-dioxide, (2Z)-2-butenedioate (9CI) (CA INDEX NAME)

CM 1

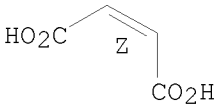
CRN 639794-09-5
CMF C19 H20 N2 O2 S



CM 2

CRN 110-16-7
CMF C4 H4 O4

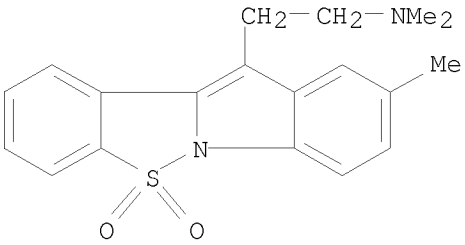
Double bond geometry as shown.



RN 639794-18-6 HCAPLUS
CN Butanedioic acid, 2-hydroxy-, compd. with N,N,9-trimethylindolo[1,2-b][1,2]benzisothiazole-11-ethanamine 5,5-dioxide (1:?) (CA INDEX NAME)

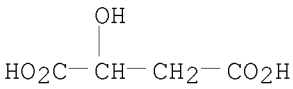
CM 1

CRN 639794-09-5
CMF C19 H20 N2 O2 S



CM 2

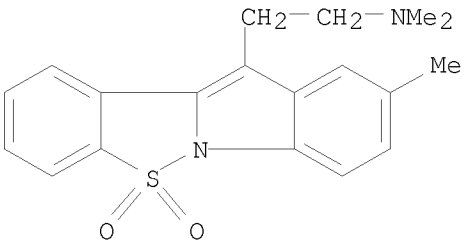
CRN 6915-15-7
CMF C4 H6 O5



RN 639794-20-0 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-, 5,5-dioxide, ethanedioate (1:?) (CA INDEX NAME)

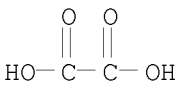
CM 1

CRN 639794-09-5
CMF C19 H20 N2 O2 S



CM 2

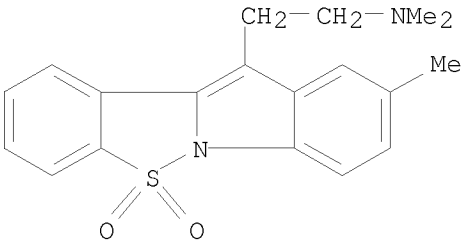
CRN 144-62-7
CMF C2 H2 O4



RN 639794-22-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,9-trimethyl-, 5,5-dioxide, 2-hydroxy-1,2,3-propanetricarboxylate (1:?) (CA INDEX NAME)

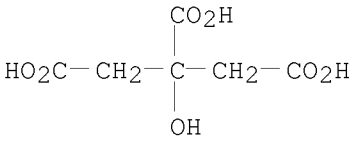
CM 1

CRN 639794-09-5
CMF C19 H20 N2 O2 S

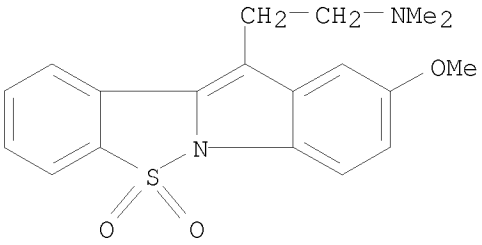


CM 2

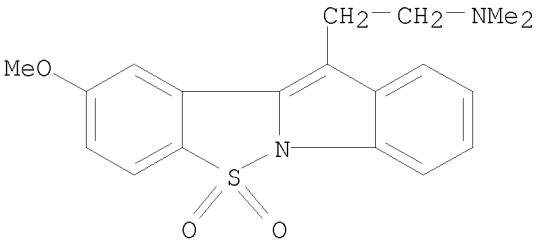
CRN 77-92-9
CMF C6 H8 O7



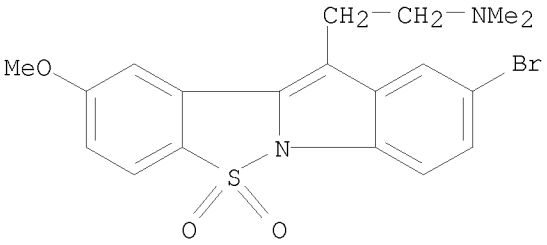
RN 639794-24-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



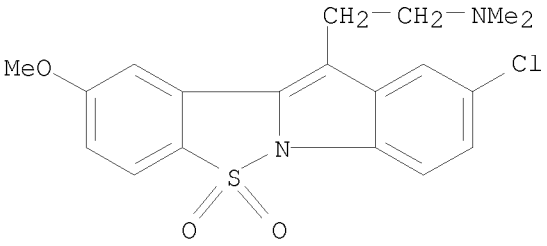
RN 639794-26-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



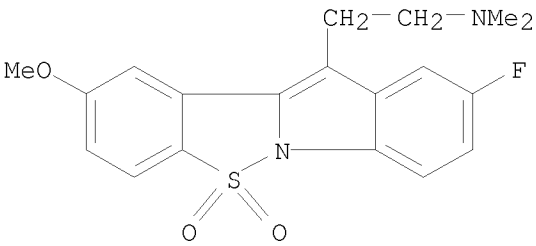
RN 639794-28-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-bromo-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



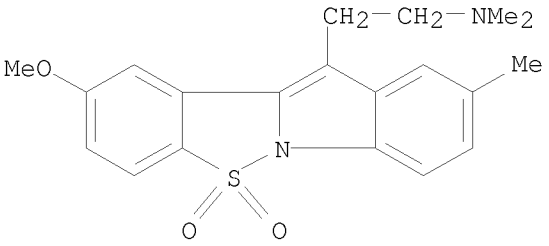
RN 639794-30-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-chloro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



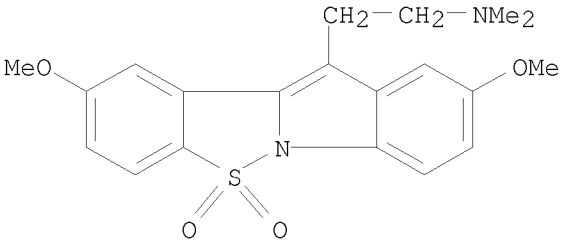
RN 639794-32-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-fluoro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



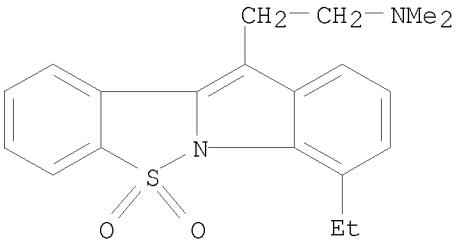
RN 639794-35-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
2-methoxy-N,N,9-trimethyl-, 5,5-dioxide (CA INDEX NAME)



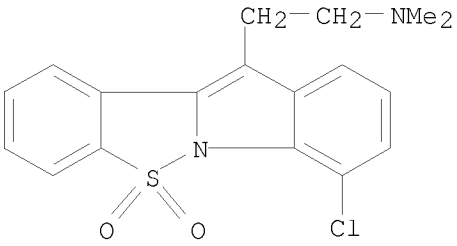
RN 639794-37-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 2,9-dimethoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



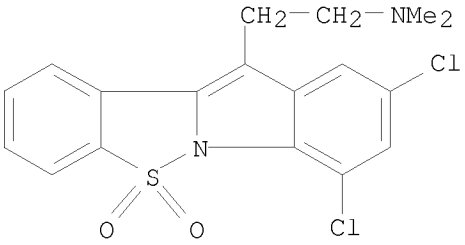
RN 639794-39-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7-ethyl-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



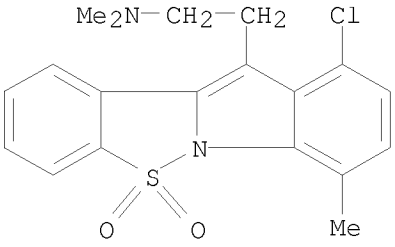
RN 639794-41-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7-chloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-42-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7,9-dichloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-43-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 10-chloro-N,N,7-trimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639794-44-8 HCAPLUS
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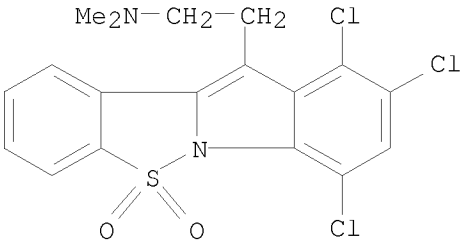
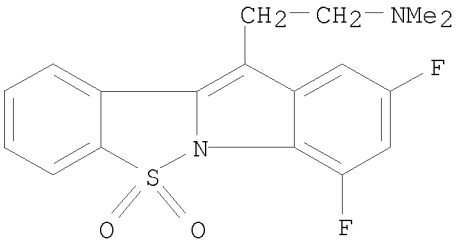
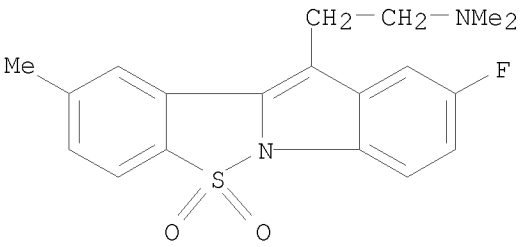


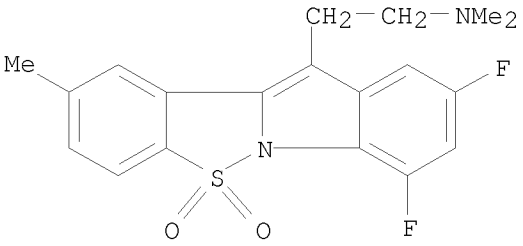
RN 639794-47-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7,9-difluoro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



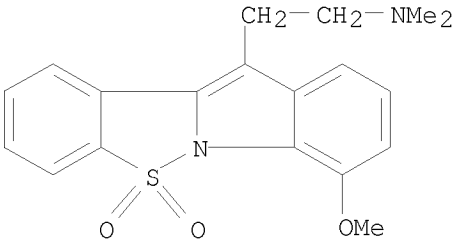
RN 639794-49-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 9-fluoro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



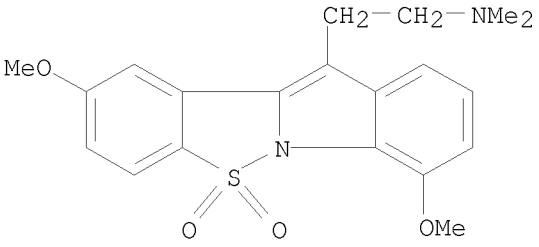
RN 639794-51-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7,9-difluoro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



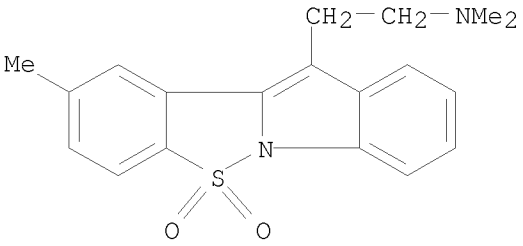
RN 639794-53-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



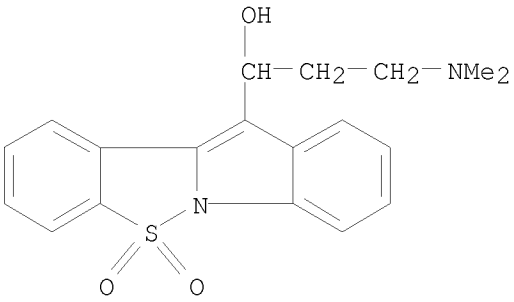
RN 639794-55-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 2,7-dimethoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



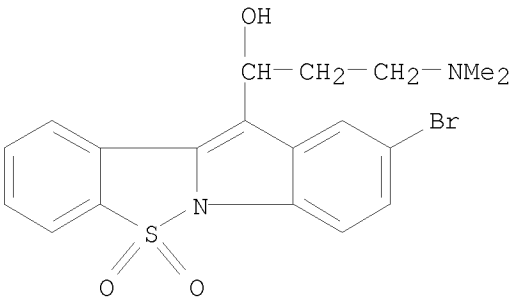
RN 639794-57-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



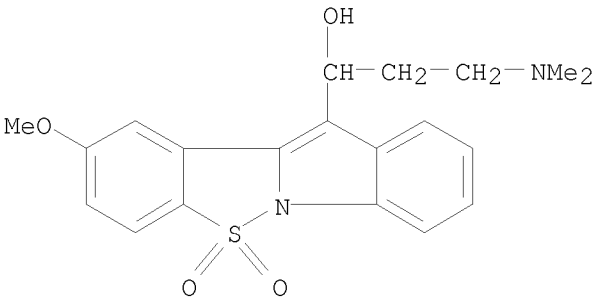
RN 639794-58-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[2-(dimethylamino)ethyl]-, 5,5-dioxide (CA INDEX NAME)



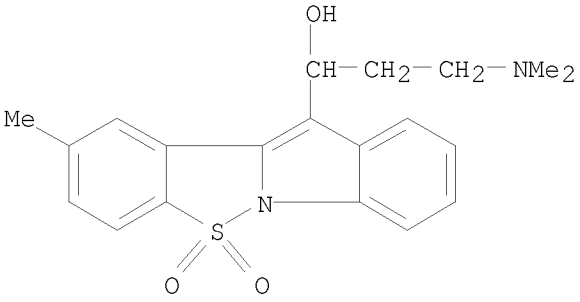
RN 639794-59-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 9-bromo-α-[2-(dimethylamino)ethyl]-, 5,5-dioxide (CA INDEX NAME)



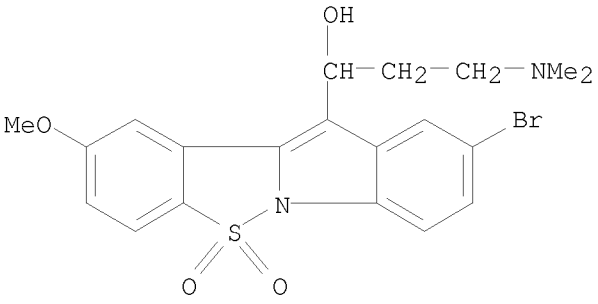
RN 639794-61-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[2-(dimethylamino)ethyl]-2-methoxy-, 5,5-dioxide (CA INDEX NAME)



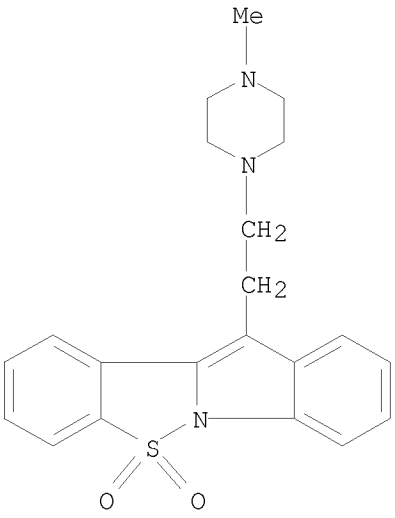
RN 639794-63-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[2-(dimethylamino)ethyl]-2-methyl-, 5,5-dioxide (CA INDEX NAME)



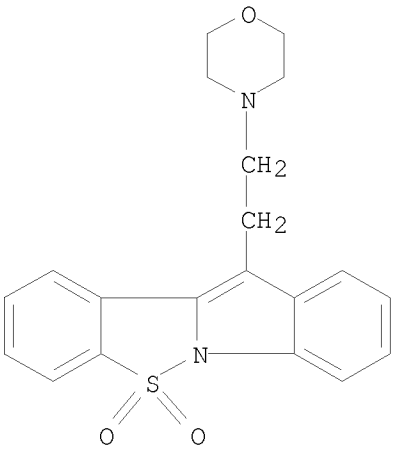
RN 639794-65-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 9-bromo-α-[2-(dimethylamino)ethyl]-2-methoxy-, 5,5-dioxide (CA INDEX NAME)



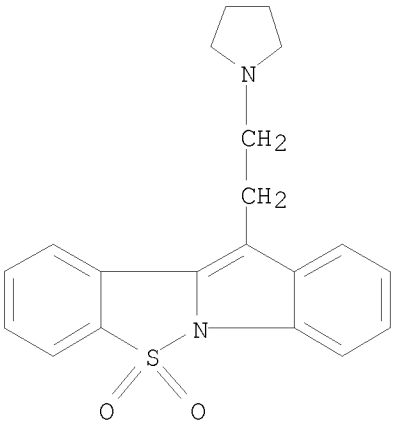
RN 639794-67-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



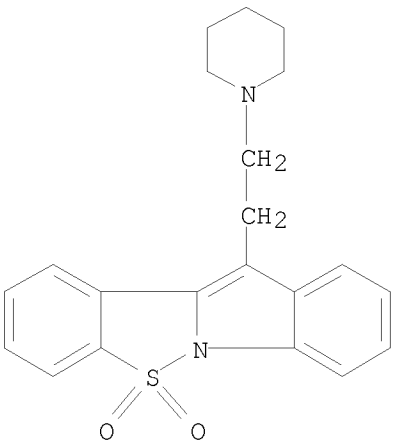
RN 639794-69-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(4-morpholinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



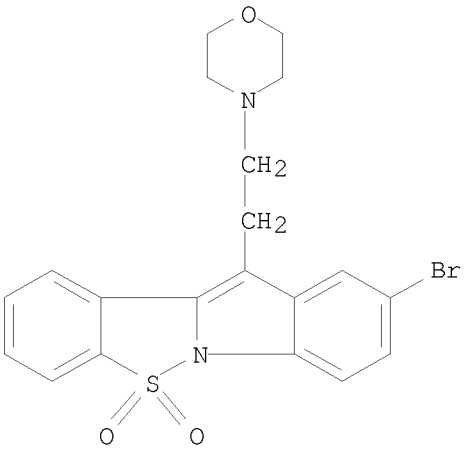
RN 639794-71-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



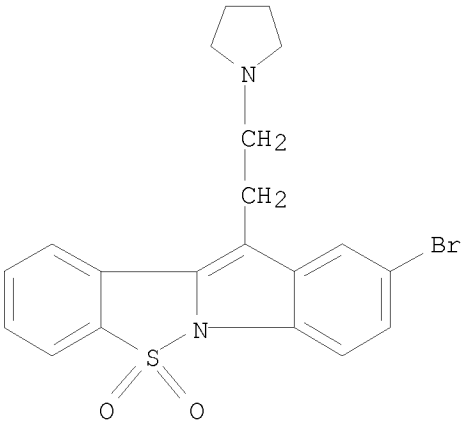
RN 639794-73-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



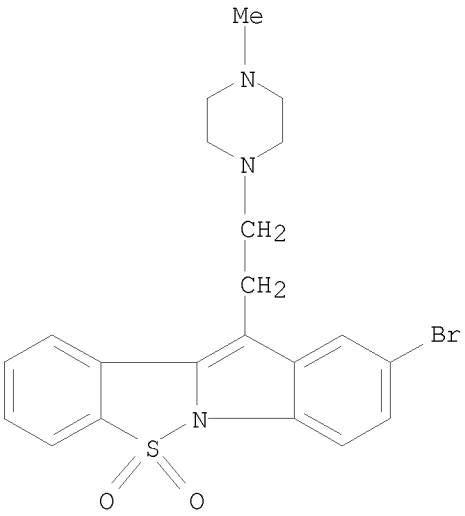
RN 639794-75-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[2-(4-morpholinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



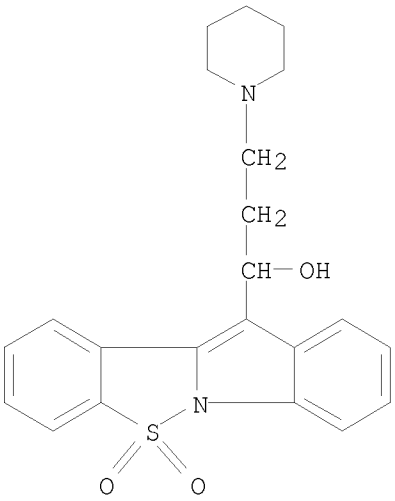
RN 639794-77-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



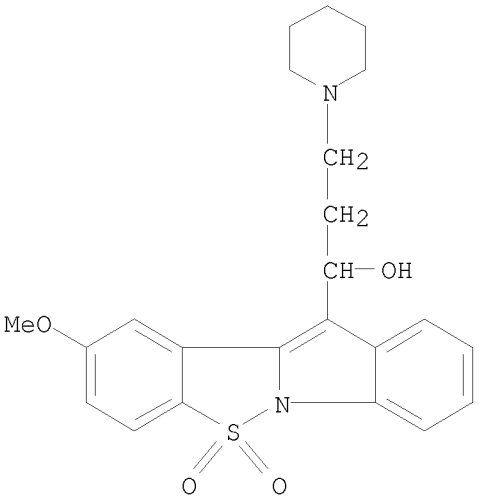
RN 639794-80-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 9-bromo-11-[2-(4-methyl-1-piperazinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



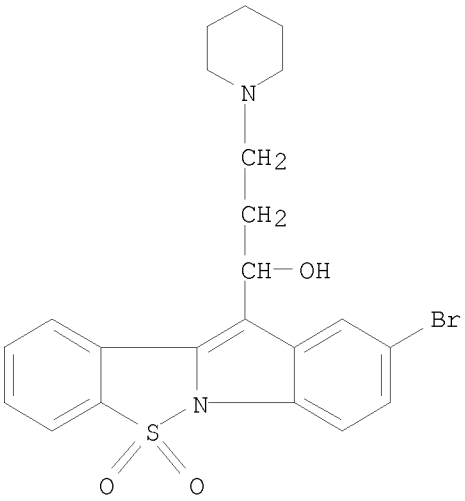
RN 639794-82-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



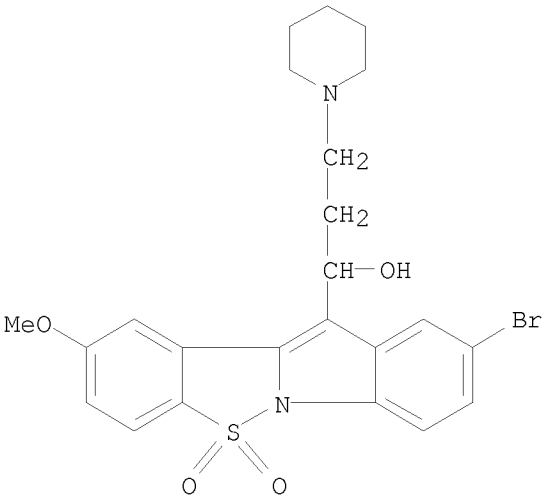
RN 639794-85-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 2-methoxy-α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



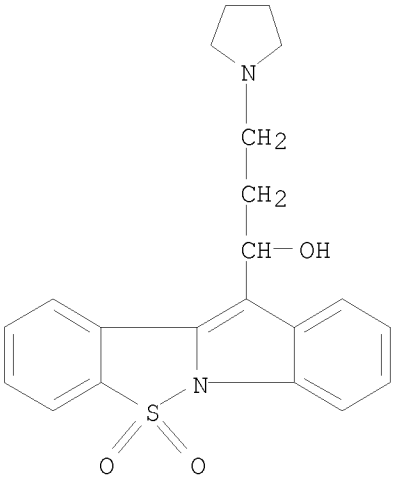
RN 639794-87-9 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 9-bromo-α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



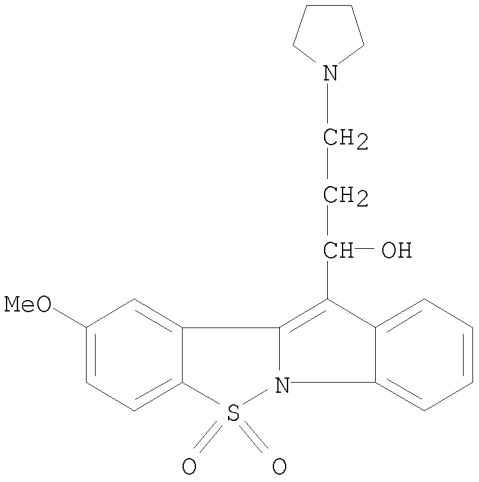
RN 639794-90-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 9-bromo-2-methoxy-α-[2-(1-piperidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



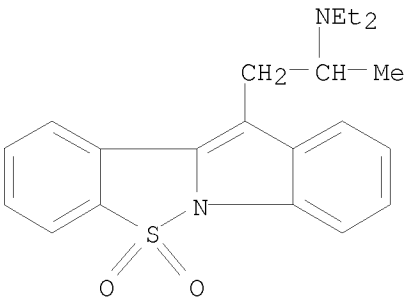
RN 639794-92-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



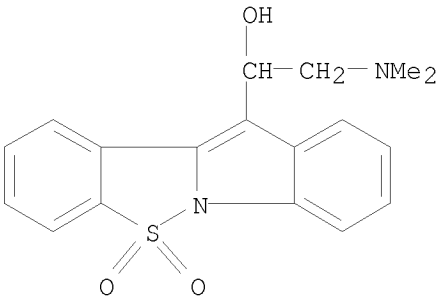
RN 639794-94-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, 2-methoxy-α-[2-(1-pyrrolidinyl)ethyl]-, 5,5-dioxide (CA INDEX NAME)



RN 639794-97-1 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N-diethyl-α-methyl-, 5,5-dioxide (CA INDEX NAME)

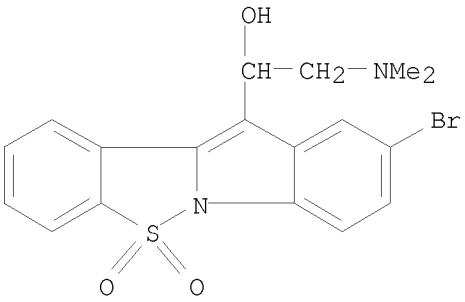


RN 639794-99-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol, α-[(dimethylamino)methyl]-, 5,5-dioxide (CA INDEX NAME)

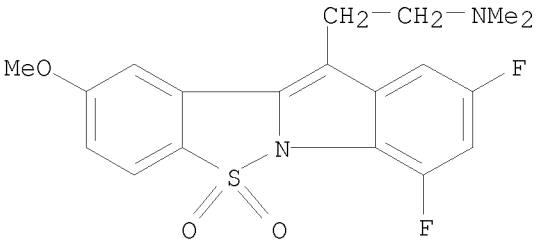


RN 639795-01-0 HCAPLUS

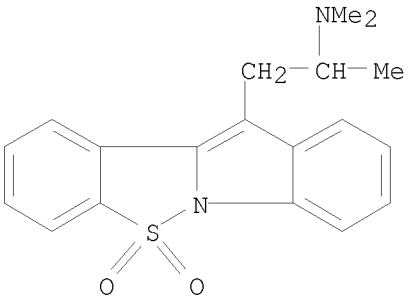
CN Indolo[1,2-b][1,2]benzisothiazole-11-methanol,
9-bromo-α-[(dimethylamino)methyl]-, 5,5-dioxide (CA INDEX NAME)



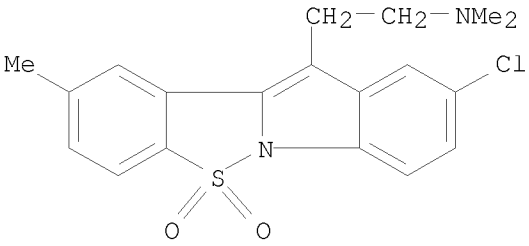
RN 639795-03-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
7,9-difluoro-2-methoxy-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



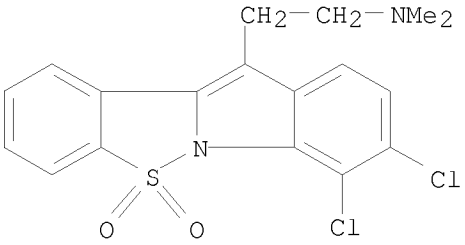
RN 639795-05-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, N,N,α-trimethyl-,
5,5-dioxide (CA INDEX NAME)



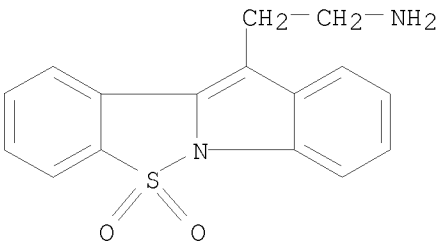
RN 639795-06-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine,
9-chloro-N,N,2-trimethyl-, 5,5-dioxide (CA INDEX NAME)



RN 639795-98-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 7,8-dichloro-N,N-dimethyl-, 5,5-dioxide (CA INDEX NAME)



IT 639795-96-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of novel tetracyclic arylsulfonyl indoles having serotonin receptor affinity)
RN 639795-96-3 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-ethanamine, 5,5-dioxide (CA INDEX NAME)



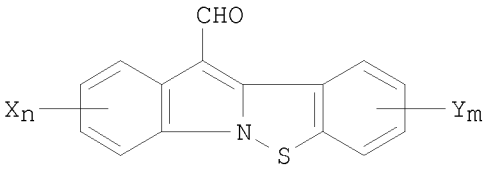
OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:59137 HCAPLUS
DOCUMENT NUMBER: 132:93313

TITLE: Preparation of 11-formylindolo[1,2-b][1,2]benzisothiazoles and their use as agrochemical fungicides
INVENTOR(S): Mitani, Akira; Saiga, Michiyuki
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000026471	A	20000125	JP 1998-195759	19980710
PRIORITY APPLN. INFO.:			JP 1998-195759	19980710

OTHER SOURCE(S): CASREACT 132:93313; MARPAT 132:93313
GI

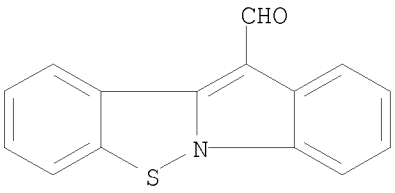


I

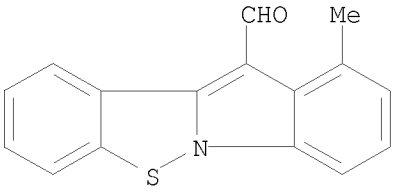
AB The title compds. I [X, Y = H, cyano, NO2, CO2H, halo, C1-6 (halo)alkyl, C1-6 alkoxy, (un)substituted amino, amido, etc.; m, n = 0-4] are prepared [1]6,11-Dihydrobenzothiopyrano[4,3-b]indole (1.2 g) was treated with SeO2 at 50-60° for 2 h in aqueous THF to give 0.55 g 11-formylindolo[1,2-b][1,2]benzisothiazole, which showed ≥75% antifungal activity against Plasmopara viticola.

IT 254909-65-4P, 11-Formylindolo[1,2-b][1,2]benzisothiazole
254909-66-5P 254909-67-6P 254909-68-7P
254909-69-8P 254909-70-1P 254909-71-2P
254909-72-3P 254909-73-4P 254909-74-5P
254909-75-6P 254909-76-7P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 11-formylindolo[1,2-b][1,2]benzisothiazoles as agrochem. fungicides)

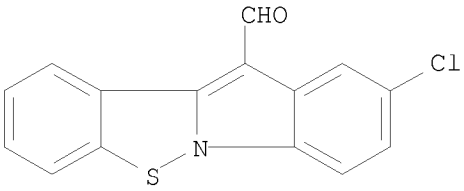
RN 254909-65-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde (CA INDEX NAME)



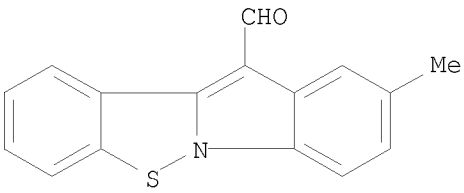
RN 254909-66-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 10-methyl- (CA INDEX NAME)



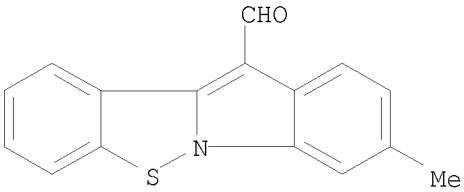
RN 254909-67-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-chloro- (CA INDEX NAME)



RN 254909-68-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 9-methyl- (CA INDEX NAME)



RN 254909-69-8 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 8-methyl- (CA INDEX NAME)



RN 254909-70-1 HCAPLUS
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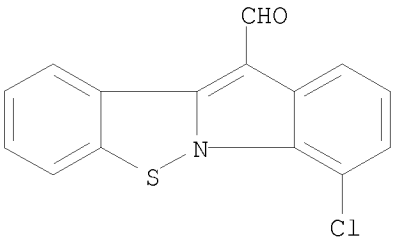
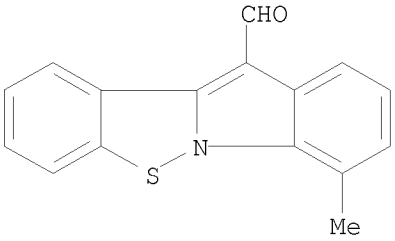


RN 254909-71-2 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 7-methyl- (CA INDEX NAME)



RN 254909-72-3 HCAPLUS
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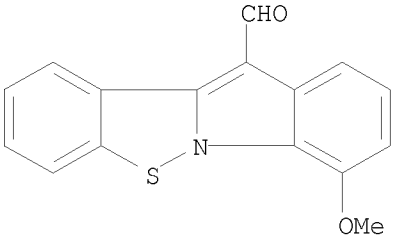
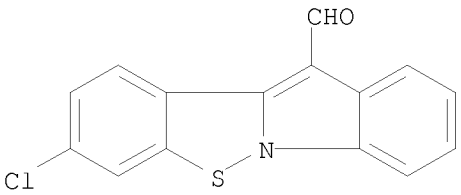
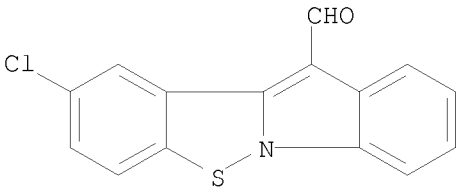


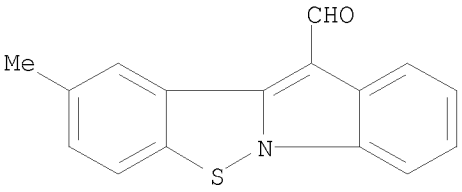
RN 254909-73-4 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 3-chloro- (CA INDEX NAME)



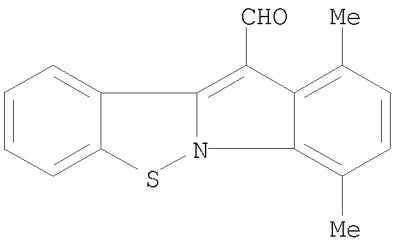
RN 254909-74-5 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 2-chloro- (CA INDEX NAME)



RN 254909-75-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 2-methyl- (CA INDEX NAME)



RN 254909-76-7 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole-11-carboxaldehyde, 7,10-dimethyl- (CA INDEX NAME)



L31 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:340160 HCAPLUS
DOCUMENT NUMBER: 127:50730

ORIGINAL REFERENCE NO.: 127:9685a,9688a
TITLE: Chiral atropisomeric five-membered biheteroaromatic diphosphines: new ligands of the bibenzimidazole and biindole series
AUTHOR(S): Benincori, Tiziana; Brenna, Elisabetta; Sannicolo, Franco; Trimarco, Licia; Antognazza, Patrizia; Cesarotti, Edoardo; Demartin, Francesco; Pilati, Tullio; Zotti, Gianni
CORPORATE SOURCE: Dip. Chim. Org. Industriale, Centro CNR, Sintesi e Stereochimica Speciali Sistemi Organici, Univ. Milano, Milan, I-20133, Italy
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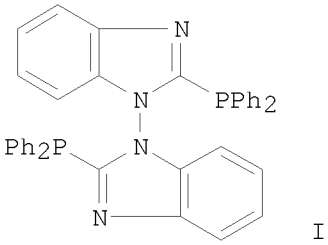

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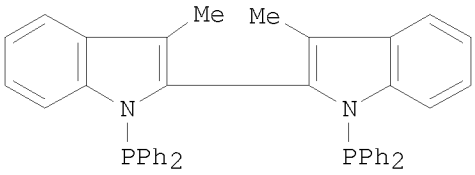
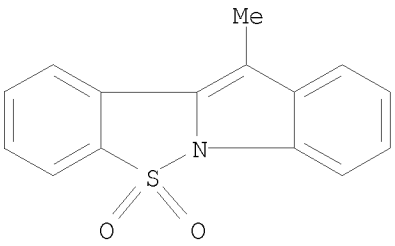


II

AB Two new chiral atropisomeric biheteroarom. diphosphines are described: 2,2'-bis(diphenylphosphino)-1,1'-bibenzimidazole I and 3,3'-dimethyl-1,1'-bis(diphenylphosphino)-2,2'-biindole II. Structural characterization is given and configurational stability at room temperature demonstrated. The oxidation potential was recognized as a good tool to evaluate the electronic availability of the phosphorus atom in the series of biheteroarom. diphosphines. Its value increases parallel to the electronic demand of the heterocyclic system and also depends on the position of the diphenylphosphino group.
IT 191026-95-6P
RL: BYP (Byproduct); PREP (Preparation)
(preparation of)
RN 191026-95-6 HCAPLUS
CN Indolo[1,2-b][1,2]benzisothiazole, 11-methyl-, 5,5-dioxide (CA INDEX NAME)



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